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Docket No.: 36749-212211  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Geoffrey P. Dobson

Application No.: 10/518,733

Confirmation No.: 1333

Filed: December 21, 2004

Art Unit: 1632

For: ORGAN ARREST, PROTECTION,  
PRESERVATION AND RECOVERY

Examiner: Not Yet Assigned

**FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information

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Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0261, under Order No. 36749-212211.

Dated: July 13, 2005

Respectfully submitted,

By 

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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
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Substitute for form 1449A/B/PTO

## FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 2

### Complete if Known

Application Number	10/518,733-Conf. #1333
Filing Date	December 21, 2004
First Named Inventor	Geoffrey P. Dobson
Art Unit	1632
Examiner Name	Not Yet Assigned
Attorney Docket Number	36749-212211

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-5,432,053	07-11-1995	Berdyaev et al.	
	AB	US-5,370,989	12-06-1994	Stern et al.	
	AC	US-5,145,771	09-08-1992	Lemasters et al.	
	AD	US-4,798,824	01-17-1989	Belzer et al.	
	AE	US-5,206,222	04-27-1993	Forman et al.	
	AF	US-6,187,756	02-13-2001	Lee et al.	
	AG	US-6,569,615	05-27-2003	Thatte et al.	
	AH	US-5,256,770	10-26-1993	Glaser et al.	
	AI	US-5,693,462	12-02-1997	Raymond	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	WO-98/37886	09-03-1998	Antropoli, Carmine		
	BB	DE-39 26287	02-21-1991	Clasbrummel, Bernhard		
	BC	WO-03/63782	08-07-2003	Pemberton-Goodman et al.		
	BD	WO-92/20346	11-26-1992	Forman et al.		
	BE	WO-01/54679	08-02-2001	Samuels et al.		
	BF	WO-01/82914	11-08-2001	Pasternak et al.		
	BG	WO-00/03716	01-27-2000	Kolesnikov et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Canyon et al., "Protection Against Ventricular Arrhythmias and Cardiac Death Using Adenosine and Lidocaine During Regional Ischemia in the In Vivo Rat," <i>Am J. Physiol Heart Circ Physiol</i> 287:H1286-H1295 American Physiological Study (2004).	
	CB	Dobson, "Organ Arrest, Protection and Preservation: Natural Hibernation to Cardiac Surgery," <i>Comparative Biochemistry and Physiology, Part B</i> 139:469-485 Elsevier Inc. (2004).	
	CC	Dobson et al., "Adenosine and Lidocaine: A New Concept in Nondepolarizing Surgical Myocardial Arrest, Protection and Preservation," <i>The Journal of Thoracic and Cardiovascular Surgery</i> 127:794-805 (March 2004).	
	CD	Forman, M.B et al., "Adenosine Therapy at Reperfusion on Myocardial Infarct Size," <i>Cardiovascular Research</i> 33:497-498 (1997).	
	CE	Garratt, K. et al., "Intravenous Adenosine and Lidocaine in Patients with Acute Myocardial Infarction," <i>American Heart Journal</i> 136(2):196-204 (August 1998).	
	CF	Hicks et al., "ATP-Sensitive Potassium Channel Activation Mimics the Protective Effect of Ischaemic Preconditioning in the Rat Isolated Working Heart After Prolonged Hypothermic	

Examiner Signature	Date Considered
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<b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
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Sheet	2	of	2		

		Storage," <i>Clinical and Experimental Pharmacology and Physiology</i> 26:20-25 (1999).	
	CG	Homeister, J. <i>et al.</i> , "Combined Adenosine and Lidocaine Administration Limits Myocardial Reperfusion Injury," <i>Circulation</i> 82(2):595-608 (August 1990).	
	CH	Jayawant <i>et al.</i> , "Advantages of Continuous Hyperpolarized Arrest with Pinacidil Over St. Thomas' Hospital Solution During Prolonged Ischemia," <i>J Thoracic and Cardiovascular Surgery</i> 11(1):131-138 (1998).	
	CI	Mahaffey, K. <i>et al.</i> , "Adenosine as an Adjunct to Thrombolytic Therapy for Acute Myocardial Infarction," <i>JACC</i> 34(6):1711-20 (November 1999).	
	CJ	Sultan <i>et al.</i> , "Heart Preservation: Analysis of Cardioprotective Infusate Characteristics, Membrane Stabilization, Calcium Antagonism, and Protease Inhibition on Myocardial Viability: A Biochemical, Ultrastructural, Functional Study," <i>The Journal of Heart and Lung Transplantation</i> 11(4):607-18 (1992).	
	CK	Takeuchi <i>et al.</i> , "Prolonged Preservation of the Blood-Perfused Canine Heart with Glycolysis-Promoting Solution," <i>Ann Thorac Surgery</i> 68:903-7 (1999).	
	CL	Vander Heide, R. <i>et al.</i> , "Adenosine Therapy at Reperfusion and Myocardial Infarct Size," <i>Cardiovascular Research</i> 33:499-500 (1997).	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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